

## FIELD CHANGE ORDER

## Service

**Issued by** : PMS DMC Hamburg  
**Released by** : G. Kramm **signed**  
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**Reference No.** : FCO74200019  
**Date** : March 2004  
**Product Group** : 742



### **OPTIMUS RAD / RF / C**

#### **APPLIES TO:**

All Optimus RAD / RF / C generators in combination with low-speed rotor control

989000002001	OPTIMUS RAD / RF	989000002202	Low-speed rotor control
989000002191	OPTIMUS C		

#### **TITLE:**

Low-speed rotor control power resistor exchange

#### **LIST OF PAGES & DRAWINGS:**

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ANR	(04.0)

#### **INTRODUCTION:**

**Symptom** : Early failure or burnt smell of the resistors in the low-speed rotor control PCB EYA 100

**Cause** : The hygroscopic cementation of the resistors allows an absorption of humidity that may cause corrosion of the wires and failure of the resistors.

**Remedy** : Replacement of resistors R64 and R78 with new specially coated resistors.

#### **MANPOWER / TIME TO COMPLETE:**

1 service engineer, 1 hour

## TOOLS & TEST EQUIPMENT:

TC129 Tool kit, standard

## MODIFICATION KIT / PARTS REQUIRED:

2 x 4512 101 81021 resistor 17/40 3R3/5

Ordering information: Resistors are available at Service Logistics International, Hamburg.

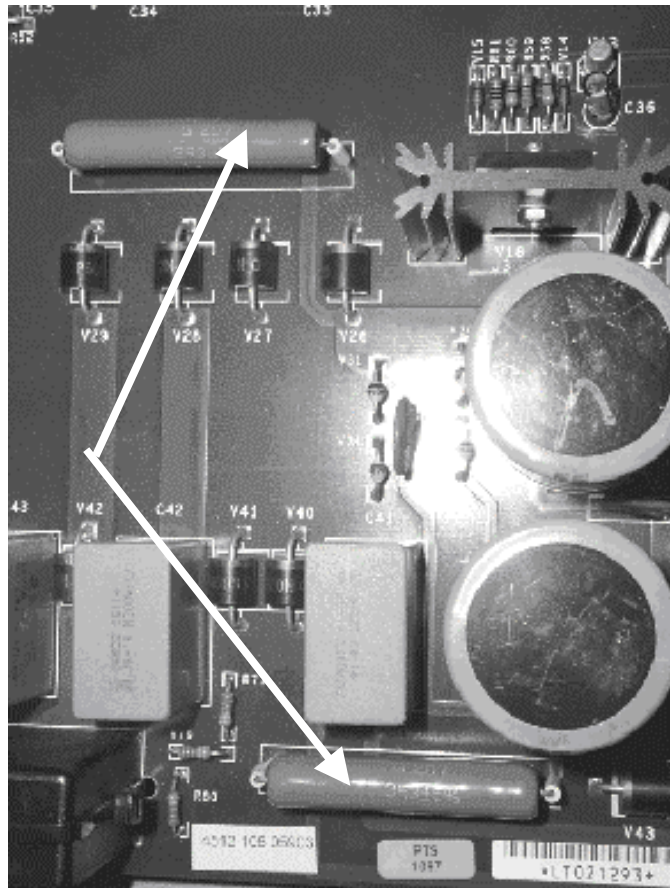
## PROCEDURE:

- Unsolder the original resistors and remove them from the PCB.

The ceramic distance sleeves must be re-used.

The ceramic body of new resistors should not be touched.

- Insert the new resistors with two ceramic distance sleeves at each of the wire ends to keep the same distance from the PCB surface as before, resistor surface – pcb distance  $\geq 5\text{mm}$  (see photo).
- Solder on the wires and cut off the excess lengths.



## PARTS DISPOSAL:

All parts are to be disposed of in a safe way in accordance with local safety and environmental regulations.

## DOCUMENTATION:

- Log this action in the section "History Record" of the System Reference Manual.
- File this FCO in the section "Service Information" of the System Reference Manual.
- Fill out the attached Action Notification Report and send it to your SSD Customer Support Manager.

# FCO ACTION NOTIFICATION REPORT

**For local SSD use only; do not return to PMG.**

TITLE : <b><i>Low Speed Roco power resistor exchange</i></b>	
CLASSIFICATION : <b><i>Service Recommendation</i></b>	FCO REF. NO.: <b><i>FC074200019</i></b>
APPLIES TO : <b><i>All Optimus RAD / RF / C generators in combination with Low Speed Rotor Control</i></b>	

HOSPITAL / ADDRESS :																							
LOCATION / FW SITE NO.:						SALES ORDER NO. / OA NO.:																	
PRODUCT NUMBER :		<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																					
UNIT SERIAL NUMBER :		<table border="1"><tr><td colspan="10"></td></tr></table>																					

<b>ACTION ON THIS UNIT WAS:</b> (select one)	<b>JOB NO. / SERVICE INCIDENT NO.:</b>
<input type="checkbox"/> Completed per instruction on _____ <div style="text-align: center; margin-top: -10px;">DATE</div>	<div style="border: 1px solid black; height: 30px; width: 100%;"></div>
<input type="checkbox"/> Completed by the factory prior to delivery.	
<input type="checkbox"/> Not completed as this unit is not affected per instruction because: (state reason) <div style="border-bottom: 1px solid black; height: 20px; margin-top: 5px;"></div>	
<input type="checkbox"/> Not completed because customer has unit in storage. Required parts & instructions received by the customer.	

CUSTOMER ACKNOWLEDGEMENT (Required for **MANDATORY ACTIONS** only).

The **REASON and PURPOSE** of this modification have been explained to me.

_____	_____
CUSTOMER NAME (PLEASE PRINT)	TITLE
_____	_____
CUSTOMER SIGNATURE	DATE

BRANCH _____ REGION / _____ DEALER : _____	SERVICE UNIT / _____ SERVICE AREA NO.: _____
_____ SIGNATURE CUSTOMER SERVICES ENGINEER	_____ DATE
_____ SIGNATURE CUSTOMER SERVICES MANAGER	<b>MAIL TO : SSD Customer Services Manager</b>